

**BY ORDER OF THE COMMANDER  
43D AIRLIFT WING**



**AIR MOBILITY COMMAND  
INSTRUCTION 11-301**

**POPE AFB  
Supplement 1  
27 JUNE 2003**

**Flying Operations**

**AIRCREW LIFE SUPPORT PROGRAM**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This publication supplements AMCI 11-301, *Aircrew Life Support (ALS) Program*, 1 August 1997, as follows: This supplement provides guidance, establishes local procedures, and defines the ALS program for the 43d Operations Group (OG) flying units and assigned personnel. Any discrepancies discovered concerning this supplement will be reported to 43 OSS/OSTL, Group ALS office. (This supplement applies to Air Force Reserve Associate units, but does not apply to Air National Guard or non-associate Air Force Reserve units). **Records Disposition:** Maintain and dispose of records created as a result of processes prescribed by this instruction IAW AFMAN 37-139, *Records Disposition Schedule*.

1.3.1.1. (Added) Units will submit proposed changes to AMCI 11-301 and this supplement through 43 OSS/OSTL.

1.3.2.1. (Added) Route all ALS related AF Forms 847, **Recommendation for Change of Publication**, through 43 OSS/OSTL.

1.5.2.2. (Added) The group life support officer (LSO) and LSS are authorized to call HQ AMC on matters relating to ALS. When the LSO and LSS are not available, an NCOIC appointed by the LSS is authorized to contact HQ AMC for ALS issues.

2.4.3.1.2.1. (Added) Group ALS and Survival Escape Resistant Escape (1T0X1) instructors are not to be assigned additional duties (i.e. resource advisor, quality manager, mobility NCO, shelter monitor, aircrew transportation [shuttle], etc.) during contingencies, Operational Readiness Inspections (ORI), Operational Readiness Exercises (ORE), Mobility Exercises (MOBEX), and generation exercises that interfere with their primary ALS or instructor duties. ALS personnel must be available to perform mission essential duties in preparation of and during contingencies.

2.4.5.2.3. (Added) Group LSS will use the automated Unit Self-Assessment process found on the HQ AMC Aircrew Protection Web Site (<http://amcdot.scott.af.mil/dot/DOTL>).

2.4.5.2.8.1. (Added) Group ALS staff is authorized to evaluate ALS technicians performing instructor duties.

2.4.5.2.21.1. (Added) NCOICs will identify all equipment account shortfalls/overages and report them to the LSS. Units will give an updated list of chemical warfare defense equipment (CWDE) shortfalls on the first of November.

2.4.5.2.22.1. (Added) Support agreements that are ALS squadron specific, the review will be initiated by the NCOIC and coordinated through 43 OSS/OSTL. Agreements affecting the overall group ALS program will be reviewed by the LSS. If it is determined a new support agreement may be required, coordinate all efforts through 43 OSS/OSTL.

2.4.6.3.2.1. (Added) The LSS is the approval authority for certifying ALS personnel to clear Red X conditions. The LSS will publish and submit a memorandum to the OG/CC which ALS personnel are certified to clear Red-X conditions IAW AMCI 21-101, *Maintenance Management Policy*. Once signed by the OG/CC, provide a copy of the memorandum to the ALS NCOIC. This letter will be updated as required.

2.4.6.3.5.1. (Added) Ensure Automated Life Support Management System (ALSMS) is backed up weekly.

2.4.6.3.8.1. (Added) ALS shops will maintain printed copies of Air Force and AMC publications with applicable supplements, and technical orders (T.O.) with applicable supplements in their mobility and deployment packages. As a minimum, units will have updated versions of AFI 11-301, Vol. 1, AMCI11-301, and POPESUP 1 to AMCI 11-301.

2.4.6.3.12.1.1. (Added) Ensure AF Form 2047, **Explosives Facility License**, is re-accomplished when there is a change of Squadron Commander, nomenclature or quantity changes to license, or license expiration. Under no circumstances will munitions other those listed on the license be stored in the locker (short or long term).

2.4.6.3.14.1. (Added) All sections are required to establish and maintain composite tool kits (CTK) for the flightline and in-shop tools. To control items within the CTK, the below listed numbers are assigned to each squadron life support section. Each tool will be marked with the first set of digits identifying the squadron to which the tool is assigned and "LS" identifying the tool as a life support item. The "X" will be an alphabetical letter that identifies the CTK to which the tool is assigned. The "0" will indicate the tool number listed on the tool inventory sheet. Example: 41LS-A-1.

2 AS	2LS-X-0
41 AS	41LS-X-0

2.4.6.3.16.1. (Added) Route all ALS related reports, proposals, and suggestions through 43 OSS/OSTL prior to submission. The AFTO Form 22, **Technical Order Improvement Report and Reply**, will be routed to the LSS for coordination and assignment of a local control number.

2.4.8.1.1. (Added) Local unit ALS sections are responsible for ALS operations of transient no-fighter aircraft.

2.5.2.1.1.1. (Added) 43 OSS/OSTL will provide a standardized list of T.O.s that each shop will maintain. Establish a log sheet to annotate review of applicable T.O.s, changes, supplements, messages, and essential correspondence. Annotate the posted date on the log sheet. Individuals will review this log daily before starting their shift. All personnel will initial and date the log when the review is accomplished. If TDY or on leave, individuals will review the log before performing any ALS function.

2.5.2.1.2. Release of this supplement carries approval for the 43 OG T.O. options list. The LSS will route changes to the options list to the 43 OG/CC for approval.

2.5.2.1.3.1.1. (Added) Route all ALS related AFTO Forms 22 and IDEA applications through 43 OSS/OSTL prior to submission. IDEA applications are submitted through a computer-based application at <https://ideas.satx.disa.mil/>. Questions concerning this web site can be directed through the Pope AFB manpower office.

2.5.2.2.4.1. (Added) 43 OSS/OSTL will provide a standardized AF Form 797, **Job Qualification Standard Continuation/Command JQS** and AF Form 1098, **Special Task Certification and Recurring Training**.

2.5.2.2.5.1. (Added) Unit ALS NCOICs may document task evaluations for recurring training on AF Form 623a, **On-The-Job Training Record - Continuation Sheet** and AF Form 1098.

2.5.2.2.10.1. (Added) Funding for off-base technician training to include mobile training teams (MTT), will be requested through squadron annual budget submissions.

2.5.2.2.11. Forward requests for formal training classes to 43 OSS/OSTL NLT 1 July of each calendar year.

2.5.2.3.1. As a minimum, NCOICs will use the AMC Staff Assistance Visit (SAV) guide to perform their program self-assessment.

2.5.2.4.4.1. (Added) NCOICs will design and maintain a Quality Assurance (QA) Log which encompass all equipment types. A minimum of 10 percent of total in-shop inspections, 100 percent of all outside agency inspections, and 100 percent of ML-4 raft to lanyard hook up will be QA-inspected.

2.5.2.4.4.2. (Added) NCOICs will specify a percentage sampling (opening) of all equipment inspected by outside agencies in their shop QA Operating Instruction. Coordinate with Fabrication to allow technicians to QA items such as A/C LPUs before packaging.

2.5.2.4.7.1. (Added) LSS will conduct quarterly Quality Improvement Team meetings to analyze data and recommend actions to reduce deficiencies affecting life support equipment (LSE). The QI team will consist of the LSS, NCOIC, assistant NCOIC, and QA monitor.

2.5.2.4.8. Send AF Forms 2419, **Routing and Review of Quality Control Reports**, or computer-generated forms to LSS for review prior to forwarding to cross-functional organizations.

2.6.2.1. (Added) ALS quality council meetings will be held semiannually in the last month of each half.

2.6.4.1. (Added) LSS will chair the panel. These meetings will be held in the 43 OSS ALSCT classroom. Required membership includes ALS NCOICs, SERE instructor, AES representative, survival equipment superintendent or NCOIC, and squadron maintenance superintendents or expeditors. LSS will publish and distribute minutes.

2.7.4.1. (Added) NCOICs will route Operating Instructions (OI)/local directives through 43 OSS/OSTL annually during the month of October for review and coordination before forwarding them to their squadron commander for approval. ALS section's OIs will be standardized to the maximum extent possible.

2.8.7.5.1. (Added) NCOICs will ensure all ALS personnel have received Hepatitis B vaccination. NCOICs will track Hepatitis B vaccinations and forward a progress report to the LSS quarterly.

2.11.4.1. (Added) NCOICs will develop a strict plan to control use and loss of tools used by their respective ALS sections. Identification and marking will be IAW para **2.4.6.3.14.1. (Added)** of this supplement. Squadron CTK plans will be forwarded to the LSS for review and approval.

3.2.6. The squadron NCOICs in coordination with the ALS supply custodian will use the HQ AMC Aircrew Protection web site process (<http://amcdot.scott.af.mil/dot/DOTL>) to document the Configuration Data File. The NCOIC will ensure data is updated by 15 December, 15 March, 15 July, and 15 September. The LSS will certify data by the end of those months.

3.2.9.4.1. (Added) NCOICs will ensure the new squadron commanders are scheduled for a commander's briefing conducted by base munitions office within 30 days of assuming command and submitting AF Form 68, **Munitions Authorization Record**.

3.3.4.1. (Added) Aircraft installed ALS equipment requirements are currently listed IAW AFI 11-302 Vol 1, *C-130, C-141, KC-10, AND C/KC-135 Maintenance and Configuration Requirements for Aircrew and Aircraft-Installed Life Support Equipment (LSE)*.

3.4.3.1. (Added) NCOICs will take appropriate actions (i.e., notify law enforcement, squadron commanders, etc.) and complete the required documentation (i.e., Report of Survey, police report, etc.) in the event of equipment loss, suspected abuse, pilferage, or mishandling. Provide a copy of the documentation to 43 OSS/OSTL.

3.4.6.1. Accountable equipment issued to aircrew will be annotated on an AF Form 1297, **Temporary Issue Receipt**, and maintained unit returned by the aircrew member.

3.4.6.1.1. (Added) Aircrew members issued ACDE bags will sign the AF Form 1297 prior to deployments. Receipts will remain at home station until equipment is returned.

4.3.1.1. (Added) MBU-5/P, MBU-12/P and custom fit masks will be inspected every 30 days. If used infrequently, mask disassembly inspections will be accomplished every 60 days. The 358 series quick-don masks will be broken down every 30 days and the disassembly inspection will be accomplished every 90 days. Smoke masks inspections will be accomplished every 180 days and the disassembly inspection will be accomplished annually.

4.3.1.2. (Added) Chinstraps will be modified with the three-inch chemical modification. Chinstraps with three-inch modification will also be included in the ALS mobility package. The number of aircrews deploying plus spares will determine quantity of chinstraps.

4.4.2.2.1. (Added) Aircrew chemical detection/decontamination kits will be stored in a mechanic's tool pouch (NSN: 5140-00-329-4306 or equivalent) with "INFLIGHT AIRCREW DECON KIT" stenciled on one side and secured with 1 turn single 8/4 cord. Affix a DD Form 1574, **Serviceable Tag-Material**, to the pouch, inspect annually, and maintain inspection record in ALSMS or use an AFTO Form 338, Survival Kit Record.

4.4.2.2.1.1. (Added) Detection/decontamination kits will consist of six books of M-8 paper, six rolls of M-9 tape, and six M-291 or M-295 decontamination kits placed in zip-lock bags with 2-inch pull tabs.

4.4.2.2.2. (Added) Detection/decontamination kits will be prepositioned on aircraft during contingencies.

4.4.2.6. Place one AMCVA 36-2206, **Aircrew Chemical Defense Ensemble Donning Guide**, with the main ACDE/AERP D-bag and mini D1 bag.

4.4.2.9. Install a roll of masking tape in all mini D-Bags.

4.4.3.5.7. Units will install lithium batteries and filters in blower assemblies prior to deployments to ensure rapid deployment. NCOIC will develop procedures for battery and filter installation.

4.4.3.5.7.1. AERP equipment will be in “ready for use” status and operational before each crewmember deploys. Units will follow procedures for lithium battery handling and installation IAW AFMAN 23-110, Vol 1, Part 1, Chapter 4, Section C, *Inspections and Related Operations*. Blower wings will be secured with three-inch tie strap fasteners when AERP is issued and preflighted by crewmembers, prior to crewmember deploying.

4.5.1.1.1. (Added) Aircrew must consider not only the local weather conditions when selecting flight clothing, but also the current or expected weather conditions for the mission route or deployment area. The key concept to remember when selecting the appropriate flight-clothing ensemble is, “Dress for Egress”.

4.5.1.1.2. (Added) Temperatures 50 degrees F and above.

Coverall, CWU-27/P

Flight Boots, FWU-8/P (or equivalent) (32 degrees F and above)

Nomex Flight Gloves, GS/FRP-2

Nomex Flight Gloves, Tan

Jacket, CWU-36/P (Summer)

4.5.1.1.3. (Added) Temperatures below 49 degrees F.

Coverall, CWU-27/P

Flight Boots, FWU-3/P, or equivalent (Above 32 degrees use the FWU-8/P)

(See **NOTE**)

Nomex Flight Gloves, GS/FRP-2

Jacket, CWU-45/P (Winter)

Gloves, Flyers Intermediate Cold

Thermal Underwear (Fire retardant)

Black Wool

Cap (May be worn on the flightline/aircraft parking area)

**NOTE:** Below 14 to –65 degrees, wear the Boot, Bunny Type or Boot, Mukluk

4.6.8.1. (Added) If vacuum packagers are available, the following ACDE items will be vacuumed packaged: cotton underwear (long-sleeve shirts, drawers), cotton inserts, and IACC when manufacture packaging is damaged.

4.8. (Added) Air Ace Vest. Air Ace Vest configuration and item installation will be IAW [Attachment 9 \(Added\)](#) and [Attachment 10 \(Added\)](#).

5.2.3.1.1.1. (Added) To avoid delaying “mission ready” status for newly assigned aircrew members during months that water survival (WST) and Combat Survival Training (CST) are not offered, the OSS ALS staff can conduct academic classes on an as-needed basis. Aircrew members receiving the “academics only training” receive the academics and hands-on field portion (CST) or wet-drill portion (WST) class

during the normal training period in order to receive full credit for the event. OSS ALS staff will track crewmembers who receive academics only training and notify squadron schedulers of aircrew needing event hands-on training when classes are offered. 43 OSS/OST will schedule one class monthly to ensure maximum attendance.

5.2.3.1.1.2. (Added) “One-on-one” training will be given to TDY personnel.

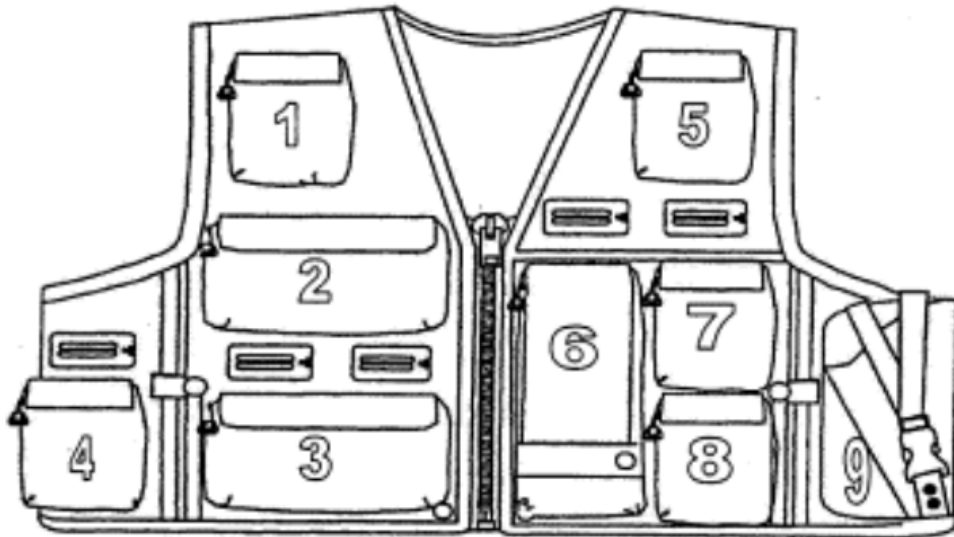
5.2.3.1.3.1. (Added) Each shop will provide a minimum of two qualified core instructors for aircrew training. When possible, the OSS ALS Training NCOIC will schedule squadron core instructors at least 30 days. If required, ALS NCOICs will provide a replacement instructor for the scheduled, primary instructor.

5.2.4.3.1. (Added) Each squadron ALS shop will provide one augmentee for LSO2 to assist the instructor with Aircrew Contamination Control Area training.

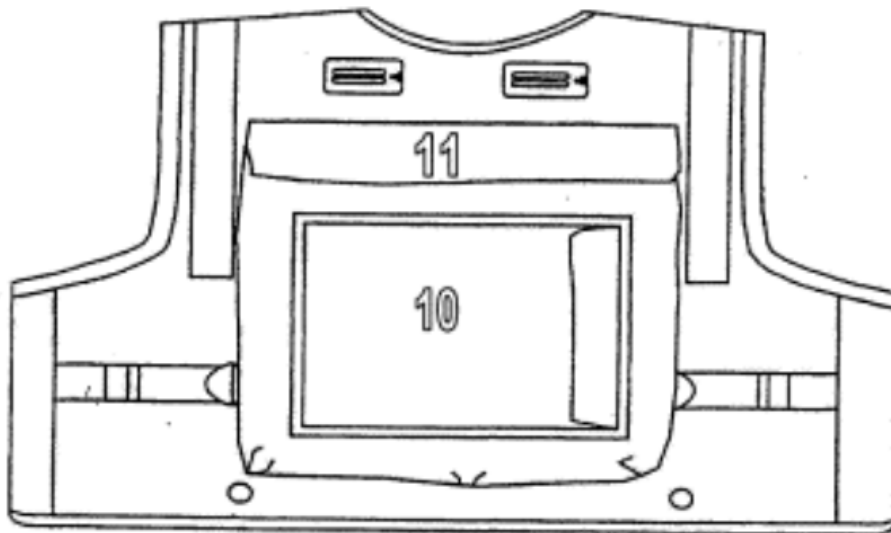
5.6.1.1. (Added) Prior to inputting data, squadron Aviation Resource Management (ARMS) personnel must verify all AF Forms 1522, **AFORMS Additional Training Accomplishment Input**, are signed by certified ALS continuation training instructors. In addition, maintain a copy of the letter signed by the 43 OG/CC listing personnel authorized to sign AF Forms 1522 for ALSCT.

Attachment 9 (Added)

GROUP SURVIVAL VEST CONFIGURATION



Front View



Back View

**Attachment 10 (Added)****SURVIVAL VEST COMPONENTS LOCATION**

<b>Pocket #</b>	<b>Contents</b>
1.	Tourniquet, IR Patch (1 inch square), Insect Repellent
2.	MK-13 Flares, Personnel Distress Signal Kit
3.	First Aid Kit, 3pt. Water bag
4.	GPS
5.	Compass, Mirror, Whistle
6.	PRC-90 Radio (W/Extra Battery) or PRC-112 Radio
7.	SDU-5/E Strobe Light
8.	US Pocket Knife, Camouflage Stick, Matches
9.	9 mm Holster
10/11.	Storage space for additional survival items (Escape & Evasion) Magazine with 15 rounds
<b>As worn by individual:</b>	
Inside Right Pocket	Survival Pamphlet (AFTTP(I) 3-2.26.)
Inside Left Pocket	PRC-112 Battery

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